

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Wesley R. Bussman )  
Richard T. Waibel, )  
Charles E. Baukal, Jr. ) Art Unit: 3742  
Roberto Ruiz, )  
I-Ping Chung, )  
Sellamuthu G. Chellappan )  
  
Serial No.: 10/807,977 )  
)  
  
Filed: March 24, 2004 ) Examiner: Unknown  
  
For: REMOTE STAGED FURNACE )  
BURNER CONFIGURATIONS )  
AND METHODS )



**DECLARATION OF  
SELLAMUTHU G. CHELLAPPAN**

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

I, Sellamuthu G. Chellappan, of Houston, Texas, hereby state that:

I am an inventor of the above subject matter claimed in the above-referenced application;

Through error I was omitted from said application; and

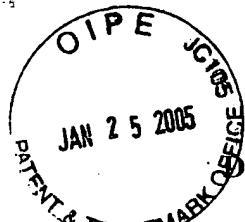
The error in inventorship occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, and Section 1001 of Title 18 of U.S. Code and that

such willful false statements may jeopardize the validity of the application or any patent issued herein.

Dated this 10<sup>th</sup> day of January, 2004.

Sellamuthu G. Chellappan  
Sellamuthu G. Chellappan  
4323 North Pine Brook Way  
Houston, Texas 77059  
United States of America



## CORRECTED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and country of citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled REMOTE STAGED FURNACE BURNER CONFIGURATIONS AND METHODS, the specification of which (check one)

is attached hereto.

was filed on March 24, 2004 as Application Serial No. 10/807,977 and was amended on \_\_\_\_\_ if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information which is known to me to be material to patentability or to the examination of this application in accordance with 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

### PRIOR FOREIGN APPLICATION(S)

			Priority Claimed	Certified Copy Attached?		
(Number)	(Country)	(Day/month/year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Day/month/year filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of the United States provisional application listed below.

\_\_\_\_\_  
(U.S. Provisional Application No.)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

---

(U.S. Parent Application) (Parent Filing Date) (Parent Patent Number (if applicable))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and may jeopardize the validity of the application or any patent issuing thereon.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith and to receive the Letters Patent Document, if issued.

C. Clark Dougherty, Jr., Registration No. 24,208;  
E. Harrison Gilbert, III, Registration No. 29,156;  
Neal R. Kennedy, Registration No. 31,383;  
Clifford C. Dougherty, III, Registration No. 31,607;  
William D. Hall, Registration No. 35,535;  
Anthony L. Rahhal, Registration No. 37,562;  
Michael J. LaBrie, Registration No. 39,507;  
Jean L. Pinkston, Registration No. 45,014; and  
Barbara Krebs Yuill, Registration No. 54,562,

all of McAFFEE & TAFT, Tenth Floor, Two Leadership Square, 211 North Robinson, Oklahoma City, Oklahoma 73102, Telephone No. (405) 235-9621, each a member of the Bar of the State of Oklahoma.

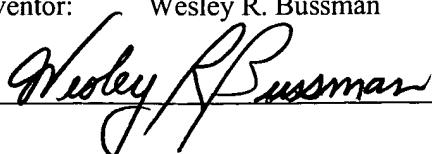
The U.S. Patent and Trademark Office is requested to direct all mail and telephone calls to:

C. Clark Dougherty, Jr.  
McAFFEE & TAFT  
Tenth Floor, Two Leadership Square  
211 North Robinson  
Oklahoma City, Oklahoma 73102

Phone: (405) 552-2301  
Facsimile: (405) 228-7301  
e-mail: clark.dougherty@mcafeetaft.com

Full name of first inventor: Wesley R. Bussman

Inventor's signature



Date:

1/4/05

Residence: 1335 South Indian Ave., Tulsa, Oklahoma 74127  
Citizenship: United States of America  
Mailing Address: 1335 South Indian Ave., Tulsa, Oklahoma 74127

Full name of second inventor: Richard T. Waibel

Inventor's signature Richard T. Waibel Date: 6 Jan 2005

Residence: 6552 S. 218<sup>th</sup> E. Ave., Broken Arrow, Oklahoma 74014

Citizenship: United States of America

Mailing Address: 6552 S. 218<sup>th</sup> E. Ave., Broken Arrow, Oklahoma 74014

Full name of third inventor: Charles E. Baukal, Jr.

Inventor's signature Charles E. Baukal, Jr. Date: Jan. 4, 2005

Residence: 10721 S. Canton Ave., Tulsa, Oklahoma 74137

Citizenship: United States of America

Mailing Address: 10721 S. Canton Ave., Tulsa, Oklahoma 74137

Full name of fourth inventor: Roberto Ruiz

Inventor's signature Roberto Ruiz Date: Dec. 7, 2004

Residence: 4707 E. 112<sup>th</sup> St., Tulsa, Oklahoma 74137

Citizenship: United States of America

Mailing Address: 4707 E. 112<sup>th</sup> St., Tulsa, Oklahoma 74137

Full name of fifth inventor: I-Ping Chung

Inventor's signature I-Ping Chung Date: Jan. 4, 2005

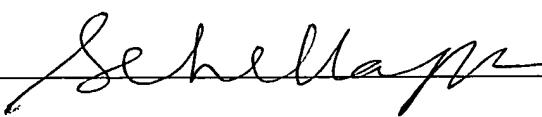
Residence: 11009 E. 84<sup>th</sup> St., Tulsa, Oklahoma 74133

Citizenship: United States of America

Mailing Address: 11009 E. 84<sup>th</sup> St., Tulsa, Oklahoma 74133

Full name of sixth inventor: Sellamuthu G. Chellappan

Inventor's signature



Date: Jan. 10<sup>th</sup>, 2005

Residence: 4323 North Pine Brook Way, Houston, Texas 77059

Citizenship: United States of America

Mailing Address: 4323 North Pine Brook Way, Houston, Texas 77059



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Wesley R. Bussman, )  
Richard T. Waibel, )  
Charles E. Baukal, Jr. ) Art Unit: 3742  
Roberto Ruiz, )  
I-Ping Chung, )  
Sellamuthu G. Chellappan )  
Serial No.: 10/807,977 )  
Filed: March 24, 2004 ) Examiner: Unknown  
For: REMOTE STAGED FURNACE )  
BURNER CONFIGURATIONS )  
AND METHODS )

**ASSENT OF ASSIGNEE TO CORRECTION  
AND/OR ADDITION OF INVENTOR(S)**

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

John Zink Company, LLC  
11920 East Apache  
Tulsa, Oklahoma 74116

Corrected Assignment

       Recorded on \_\_\_\_\_

Reel \_\_\_\_\_  
Frame \_\_\_\_\_

X Recorded simultaneously herewith

       A separate        "Assignment" (Document) cover sheet is attached.  
OR  
X Form PTO 1959 is attached

Assignee hereby assents to the correction of inventorship filed

X simultaneously herewith  
on \_\_\_\_\_

### ASSIGNEE STATEMENT

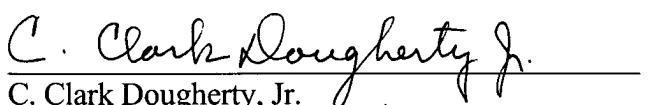
The assignee, John Zink Company, LLC, has entire interest in the subject matter of the above-referenced application, hereby consents to the addition of Sellamuthu G. Chellappan to the application as co-inventor.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Stephanie A. Bayliss

January 21, 2005  
Date

Respectfully submitted,

  
C. Clark Dougherty, Jr.  
Registration No. 24,208  
McAfee & Taft  
Tenth Floor, Two Leadership Square  
211 North Robinson  
Oklahoma City, Oklahoma 73102  
(405) 235-9621  
(405) 235-0439  
E-Mail Address: clark.dougherty@mcafeetaft.com

Attorney for Applicants

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Form PTO-1595  
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

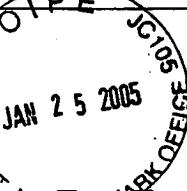
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## RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
 Wesley R. Bussman  
 Richard T. Waibel  
 Charles E. Baukal, Jr.  
 Roberto Ruiz  
 I-Ping Chung  
 Sellamuthu G. Chellappan  
 Additional name(s) of conveying party(ies) attached?  Yes  No



3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	

Execution Date: 01/04/05; 01/06/05; 01/04/05; 12/07/04;  
01/04/05; 01/10/05, respectively

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/807,977 filed March 24, 2004

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: C. Clark Dougherty, Jr.

Internal Address: \_\_\_\_\_

Street Address: McAfee & Taft

10th Floor, Two Leadership Square, 211 N. Robinson Ave.

City: Oklahoma City State: Oklahoma Zip: 73102

6. Total number of applications and patents involved:  1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed \*\*

Authorized to be charged to deposit account

8. Deposit account number:

\*\* Please charge any fee deficiency to:

50-0449

(Attach duplicate copy of this page if paying by deposit account)

### DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

C. Clark Dougherty, Jr., Reg. No. 24,208

Name of Person Signing

C. Clark Dougherty Jr. 1/21/05

Signature

Date

Total number of pages including cover sheet, attachments, and documents:  5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

**COPY**

**CORRECTED  
ASSIGNMENT**

WHEREAS, we, **Wesley R. Bussman, Charles E. Baukal, Jr., Roberto Ruiz and I-Ping Chung** of Tulsa, Oklahoma, **Richard T. Waibel** of Broken Arrow, Oklahoma, and **Sellamuthu G. Chellappan** of Houston, Texas, have made a certain invention entitled **REMOTE STAGED FURNACE BURNER CONFIGURATIONS AND METHODS** for which application for United States Letters Patent was filed March 24, 2004, and assigned U.S. Serial No. 10/807,977 preparatory to obtaining United States Letters Patent therefor, and

WHEREAS, **John Zink Company, LLC**, a limited liability company existing under and by virtue of the laws of the State of Delaware, and having a place of business in Tulsa, County of Tulsa, State of Oklahoma, is desirous of acquiring all right, title and interest in and to said invention in **REMOTE STAGED FURNACE BURNER CONFIGURATIONS AND METHODS** above-identified, in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, we, **Wesley R. Bussman, Richard T. Waibel, Charles E. Baukal, Jr., Roberto Ruiz, I-Ping Chung, and Sellamuthu G. Chellappan** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said John Zink Company, LLC, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

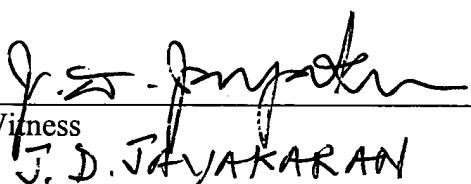
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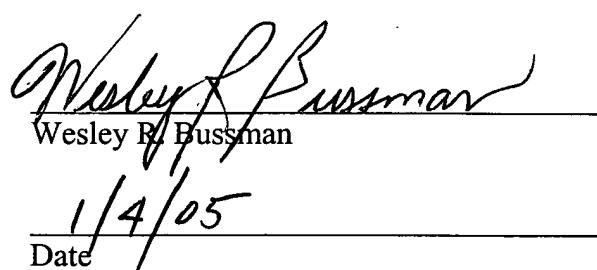
We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said John Zink Company, LLC, as the assignee of our entire right, title and interest in and to the same, for the sole use and enjoyment of said John Zink Company, LLC, its successors and assigns.

Further, we agree that we will communicate to said John Zink Company, LLC, or its representatives any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisions, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said John Zink Company, LLC, make all rightful oaths and generally do everything necessary or desirable to aid said John Zink Company, LLC, its successors and assigns, to obtain and enforce proper protection for said invention, in the United States and in any and all foreign countries.

Executed by the undersigned on the date indicated.

In the presence of:

  
Witness  
J. S. JAYAKARAN

  
Wesley R. Bussman  
Date  
1/4/05

J. D. Jayakaran  
Witness  
J. D. JAYAKARAN

Kenneth B. Yaw  
Witness  
KENNETH B. YAW

**COPY**  
Richard T. Waibel  
Richard T. Waibel

Jan. 6, 2005  
Date

Charles E. Baukal, Jr.  
Charles E. Baukal, Jr.

Jan. 4, 2005  
Date

R.R.  
Roberto Ruiz

Dec. 7, 2004  
Date

I-Ping Chung  
I-Ping Chung

Jan. 4, 2005  
Date

Sellamuthu G. Chellappan  
Sellamuthu G. Chellappan

Jan. 10<sup>th</sup>, 2005  
Date

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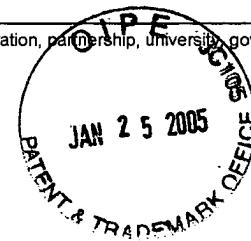
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Wesley R. Bussman; Richard T. Waibel; Charles E. Baukal, Jr.; Roberto Ruiz; I-Ping Chung; Sellamuthu G. ChellappanApplication No./Patent No.: 10/807,977 Filed/Issue Date: March 24, 2004Entitled: Remote Staged Furnace Burner Configurations and MethodsJohn Zink Company, LLC, a limited liability company  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or2.  an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

**OR**

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

January 13, 2005  
Date  
(316) 828-5946

Telephone number

Bradley E. Haddock  
Typed or printed name  
Judy E. Haddock  
Signature  
Secretary  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*